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*A1*  
*cancel*  
vulcanizing said hose from the outside to the inside using a non-contact energy source.

2. A process for making hose as claimed in claim 1 wherein said hose includes a woven jacket.

*5*  
*Sub B1*  
*A2*  
3. (Amended) A process for making hose as claimed in claim 1 wherein said step of trapping air inside said hose is performed by sealing engagement of the hose with a mandrel and by sealing engagement of the hose with pinch rollers.

10 4. (Amended) A process for making hose as claimed in claim 1 wherein said step of vulcanizing said hose from outside to inside includes initially vulcanizing the hose with a first energy source followed by vulcanizing the hose with a non-contact steam heater.

7. A process for making hose as claimed in claim 4 wherein said first energy source is a hot air heater.

15 9. A process for making hose as claimed in claim 1 wherein said step of pressurizing extruded rubber hose includes supplying air to and through a check valve in a mandrel and into a cavity formed by said check valve, said mandrel, said hose and pinch rollers.

*Sub B2*  
*A3*  
20 11. (Amended) A process for making extruded rubber hose comprising the steps of:  
extruding rubber hose over a mandrel such that said rubber hose forms a seal as said hose exits said mandrel;

A<sup>3</sup> cont'd  
 SNG B37  
 tensioning and sealing said rubber hose as it is drawn through pinch rollers by a  
 haul-off; and,  
 vulcanizing, utilizing a non-contact heater, said hose intermediate said mandrel  
 and said pinch rollers.

5 12. A process for making an extruded rubber hose as claimed in claim 11

wherein said vulcanization occurs at a temperature of between 220°F - 350°F.

A<sup>4</sup> SNG B37  
 13. (Amended) A process for making an extruded rubber hose as claimed in  
 claim 11 wherein said vulcanizing is performed by a non-contact steam tube.

10 SNG B47  
 A<sup>5</sup>  
 17. (Amended) A process for making hose comprising the steps of:  
 extruding rubber onto, into and through a woven fabric forming an unvulcanized  
 rubber hose;  
 pressurizing said unvulcanized rubber hose with a gas;  
 sealing the inside of said rubber hose with respect to a mandrel;  
 pulling the unvulcanized rubber hose through a non-contact heater vulcanizing said  
 15 rubber hose; and,  
 pinching and sealing said vulcanized hose as it is removed from said heater.

18. A process for making hose as claimed in claim 17 wherein the step of  
 pressurizing said unvulcanized rubber hose with a gas includes intermittently supplying  
 gas under pressure through a gas supply cup to said inside of said rubber hose.

20 19. A process for making hose as claimed in claim 18 wherein the step of  
 pressurizing said unvulcanized rubber hose includes intermittently supplying gas under

pressure through a gas supply cup, into and through a tube interconnected with said mandrel, and into and through a check valve and into said inside of said rubber hose.

20. A process for making hose as claimed in claim 19 further comprising the step of measuring the outside diameter of the vulcanized rubber hose and varying the frequency of said intermittent supply of gas to said inside of said rubber hose in response to said measurement of outside diameter of said hose.

25. A process for making hose comprising the steps of:

feeding woven cloth over a tube and a mandrel;

supplying gas through said woven cloth, into said tube, and through said mandrel;

extruding rubber onto, into and through a woven fabric forming an unvulcanized rubber hose;

pressurizing said unvulcanized rubber hose with said gas;

sealing the inside of said hose with respect to said mandrel;

pulling said unvulcanized rubber hose through a heater vulcanizing said rubber

hose; and,

sealing said rubber hose as it is removed from said heater.

26. A process for making hose as claimed in claim 25 further comprising the step of measuring the outside diameter of said hose upon exit from said heater.

27. A process for making hose as claimed in claim 26 wherein said step of supplying gas through said woven cloth and into said tube is performed intermittently at a frequency necessary to insure the correct diametrical dimensions of said hose.

28. A process for making hose as claimed in claim 27 wherein said frequency of supplying air through said woven jacket is increased when said outside diameter is too small and said frequency of supply air is decreased when said outside diameter is too large.

5 29. A process for making hose as claimed in claim 26 wherein a check valve is included in said mandrel and pinch rollers seal said unvulcanized hose as it is removed from said heater.

A6 SUB 30. (Amended) A process as claimed in claim 26 wherein said heater may be selected from the group consisting of a steam heater, an infrared heater, an electric coil, and a hot air heater.  
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A7 32. (Amended) A process for continuously vulcanizing hose comprising the steps of:  
pressurizing said hose from within; and,  
vulcanizing said hose from outside-in using a non-contact energy source.

15 33. A process for continuously vulcanizing hose as claimed in claim 32 wherein said step of pressurizing said hose includes supplying gas under pressure through a check valve located in a mandrel.

20 34. A process for continuously vulcanizing hose as claimed in claim 33 wherein said step of pressurizing said hose includes sealing said hose about said mandrel and between pinch rollers.

A8 SUB 35. (Amended) A process for continuously vulcanizing hose as claimed in claim  
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32 wherein said step of vulcanizing said hose from outside-in is performed by a heater selected from the group of a steam heater, an electric coil, a radiant heater, an infrared heater, and a hot air heater.

36. A process for continuously vulcanizing hose as claimed in claim 32 further comprising the steps of controlling the diameter of said hose.

38. (Amended) A process for vulcanizing an endless hose comprising the steps of: pressurizing said hose from within; and, vulcanizing said hose from outside-in using a non-contact energy source.

41. (Amended) A process for vulcanizing an endless hose as claimed in claim 38 wherein said step of vulcanizing said hose from outside-in occurs for 1 to 5 minutes.

42. (Amended) A process for vulcanizing an endless hose as claimed in claim 41 wherein said step of vulcanizing said hose from outside-in occurs at a temperature in the range of 220-350°F.

### REMARKS

This is in response to the office action dated December 2, 2002. Applicants wish to thank the Examiner for the careful review of the application. Applicants note the statement in paragraph 1 of the office action in regard to the election.

Applicants note the claim objections in paragraph 2 of the office action but have chosen not to make all the "appropriate correction" in all instances because none is believed required. It is not necessary to refer to the hose in the dependent claims as "said hose" as that is understood.